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Facsimile Number: 703-872-9306

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

CERTIFICATE OF FACSIMILE TRANSMISSION

I, Cheryl A. Swanson, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day forwarded the foregoing Letter of Facsimile Transmission; Amendment and Request for Reconsideration After Final Office Action Under 37 C.F.R. § 1.116; and this Certificate of Facsimile Transmission via Facsimile Number 703-872-9306, addressed to Examiner Adolf D. Berhane, Group Art Unit 2838.

Dated this 25 day of May, 2005.

Cheryl A. Swanson
Cheryl A. Swanson

SANTANGELO Law Offices, P.C.
125 S. Howes, 3rd Floor
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FACSIMILE TRANSMISSION

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TO: Examiner Adolf D. Berhane, Group Art Unit 2838
FAX: 703-872-9306 **TELEPHONE:** 571-272-2077
FROM: Alfred K. Wiedmann Jr., PTO Reg. No. 48,033
DATE: May 25, 2005

TOTAL PAGES: 23 (including this cover page) X Facsimile Filing

LETTER OF FACSIMILE TRANSMITTAL

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
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Attorney Docket: AEI VRM USNP1
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Enclosed for filing in the above application please find the following:

1. an Amendment and Request for Reconsideration After Final Office Action Under 37 C.F.R. § 1.116 (20 pages);
2. this Letter of Transmittal (2 pages); and
3. a Certificate of Facsimile Transmittal (1 page).

Please confirm receipt of the documents by return facsimile indicating the date of receipt and application number.

I have this 25th day of May, 2005, either myself personally or through my direction of staff at this office, forwarded all of the items in the above Letter of Transmittal via Facsimile Number 703-872-9306, addressed to Examiner Adolf D. Berhane, Group Art Unit 2838.

Dated this 25th day of May, 2005.

Respectfully Submitted,
SANTANGELO LAW OFFICES, P.C.

By:



Alfred K. Wiedmann Jr.
Attorney for Applicant
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IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
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Assignee: Advanced Energy Industries, Inc.
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Customer No. 33549

**AMENDMENT AND REQUEST FOR RECONSIDERATION
AFTER FINAL OFFICE ACTION UNDER 37 C.F.R. § 1.116**

I. INTRODUCTORY REMARKS

This Amendment and Request for Reconsideration is in response to the office communication mailed March 25, 2005. The Assignee submits this amendment to the claims in order to amend substantively rejected independent claims so as to each include the limit(s) of an allowed claim that depended therefrom (and, limit(s) of any intervening claims where they appear). Thus, all claims remaining in the case after entry of this amendment were allowed in the final office action or depend from such an allowed claim. This amendment and request for reconsideration is intended to fully address the Office's March 25, 2005 action and place the application in condition for allowance. The Assignee requests that the Office amend the claims as indicated herein and allow the case at its earliest convenience.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 19 of this paper.